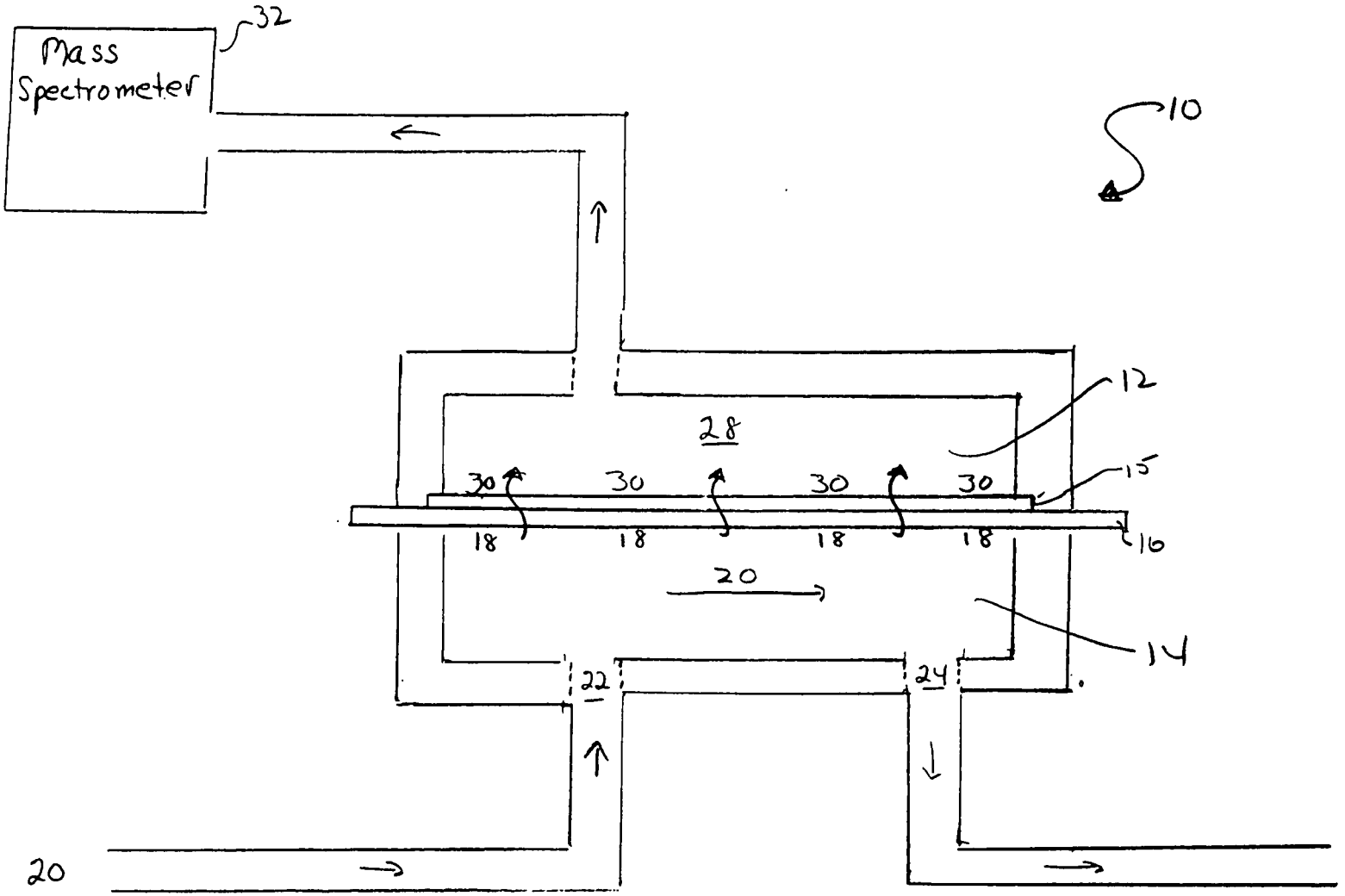
Mass Spectrometer
32
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Fig 1

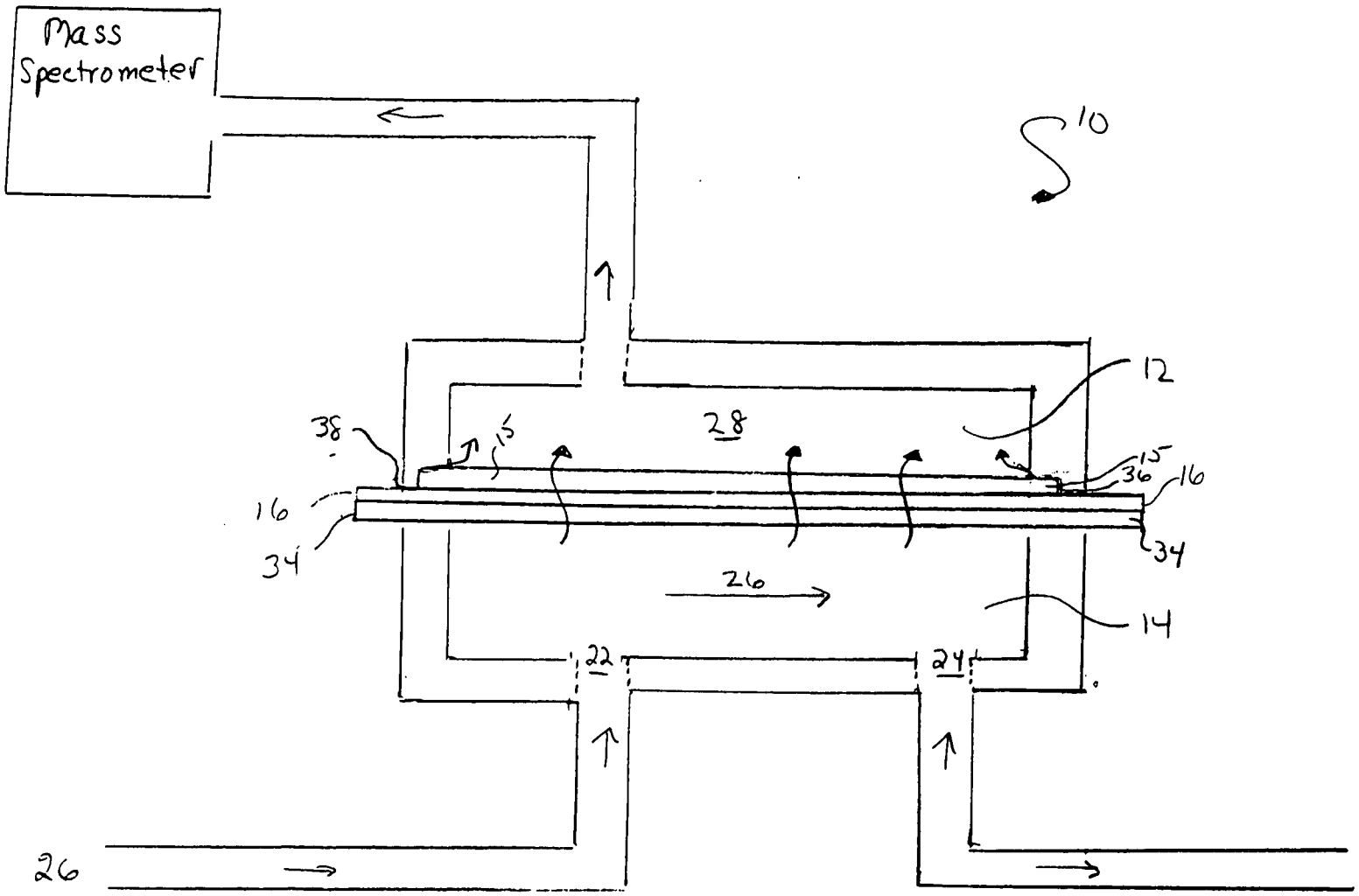

Fig 2

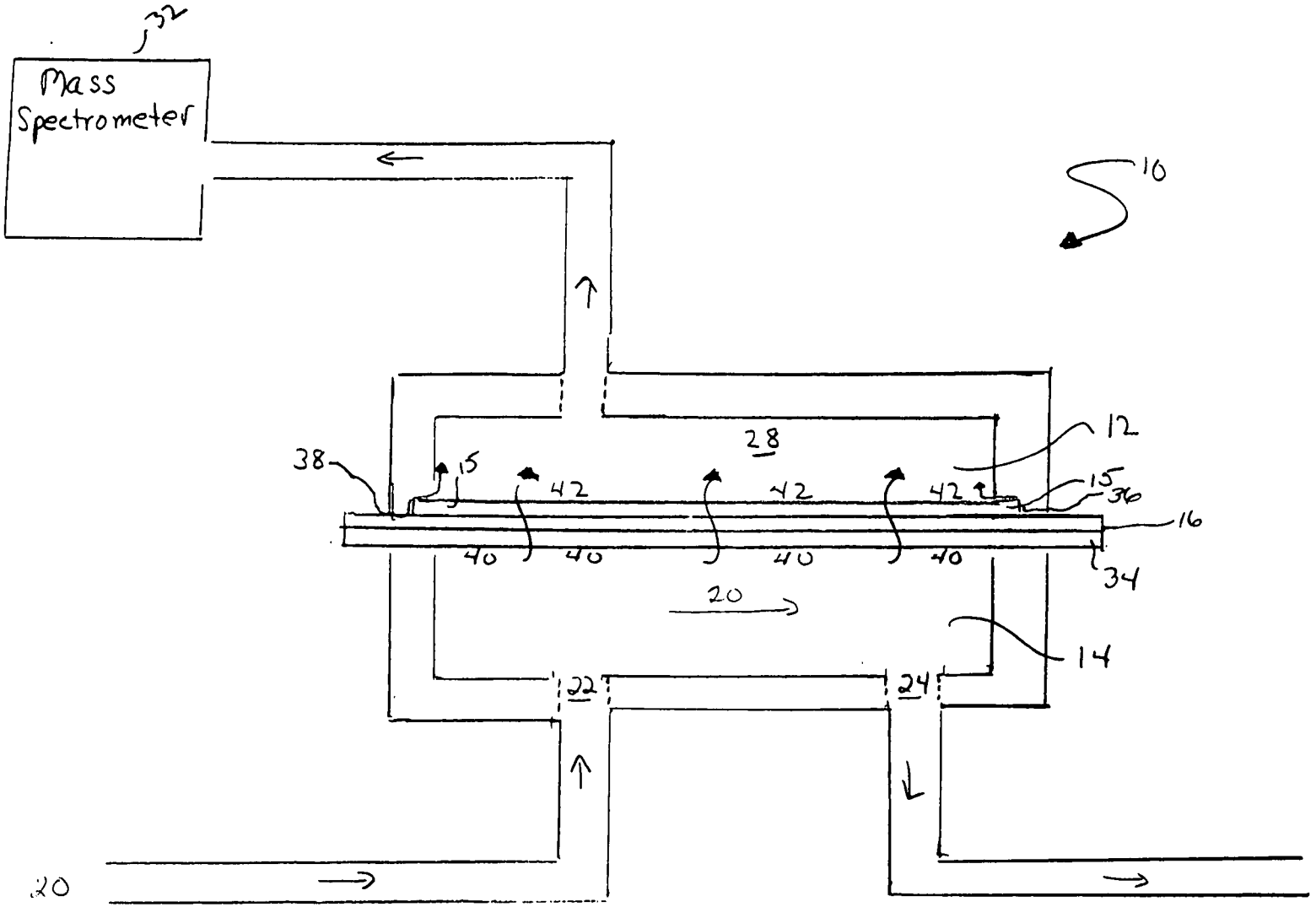
32
Mass Spectrometer
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Fig 3

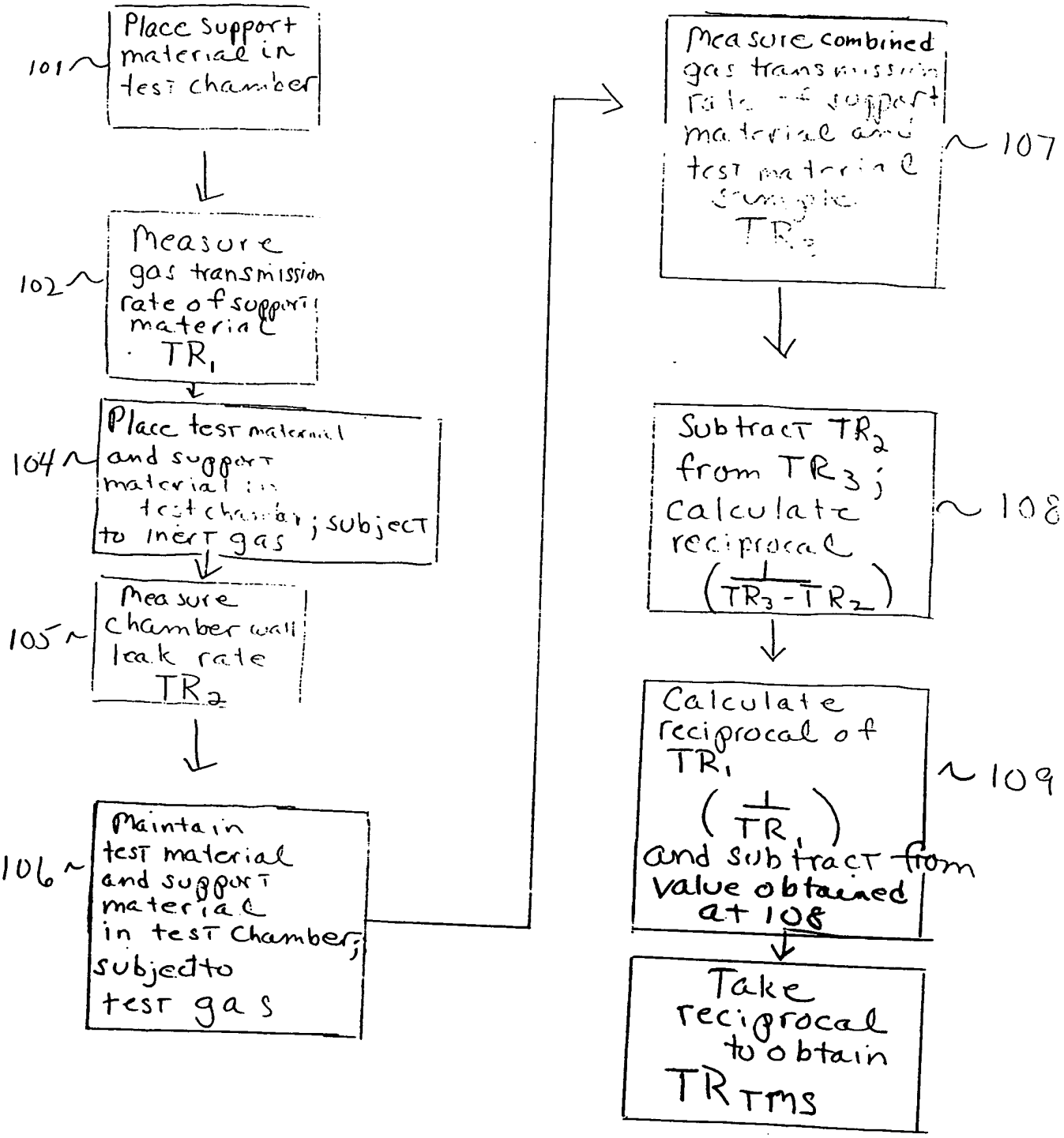
101
Place support material in test chamber
102
Measure gas transmission rate of support material TR_1
104
Place test material and support material in test chamber; subject to inert gas
105
Measure chamber wall leak rate TR_2
106
Maintain test material and support material in test chamber; subject to test gas
107
Measure combined gas transmission rate of support material and test material sample TR_3
108
Subtract TR_2 from TR_3; calculate reciprocal $\left(\frac{1}{TR_3 - TR_2}\right)$
109
Calculate reciprocal of TR_1 $\left(\frac{1}{TR_1}\right)$ and subtract from value obtained at 108
Take reciprocal to obtain TR_{TMS}

Fig. 4

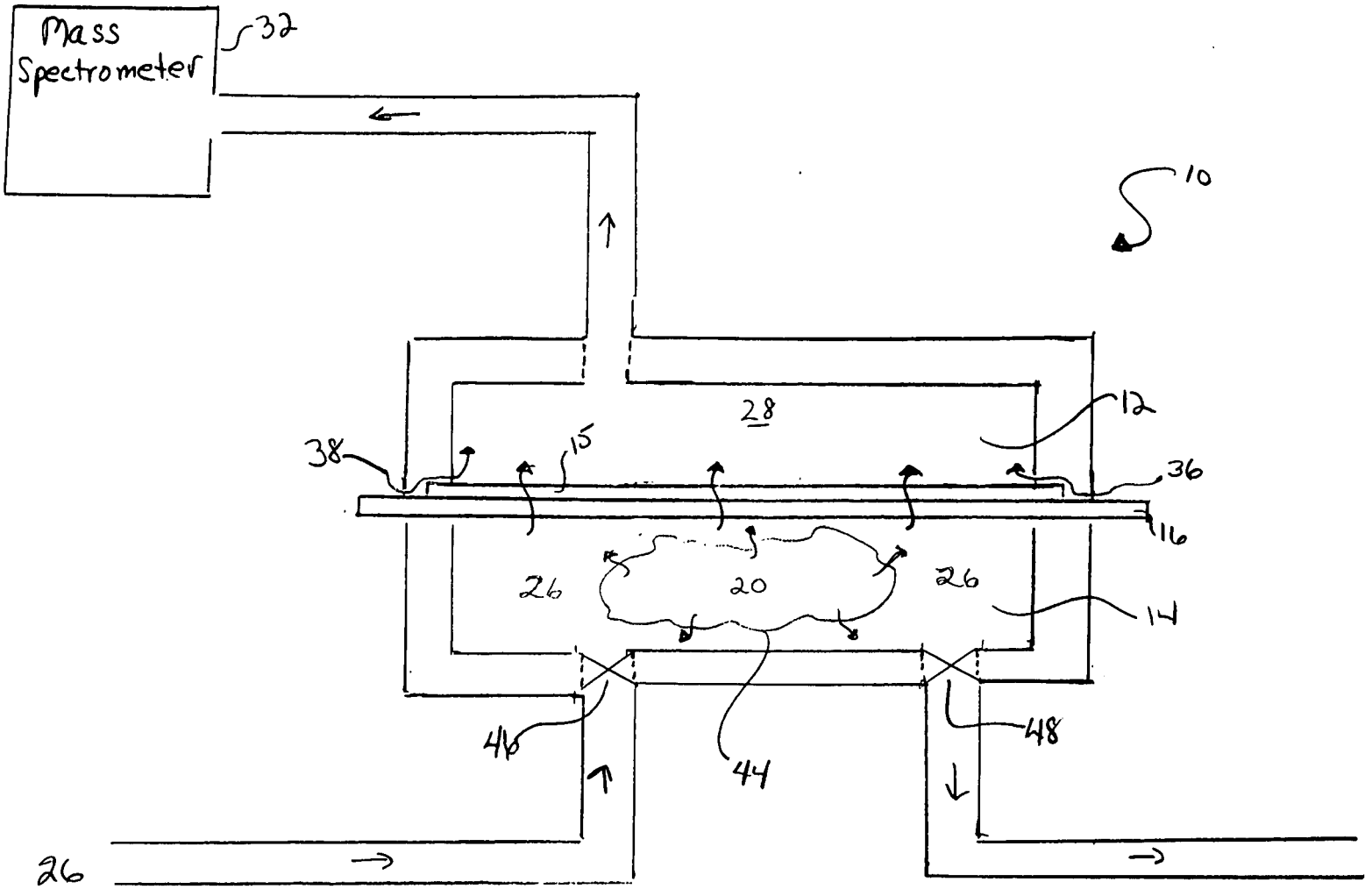

Fig 5